



PTO/SB/08b (01-08)  
Approved for use through 04/30/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/670,381		
		Filing Date	September 26, 2003		
		First Named Inventor	Yong Cheol PARK		
		Art Unit	2627		
		Examiner Name	L. Chow		
Sheet	1	of	9	Attorney Docket Number	0465-1055P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-2001/0009537-A1	07-26-2001	Park	
	AB*	US-2001/0011267-A1	08-02-2001	Kihara et al.	
	AC*	US-2001/0026511-A1	10-04-2001	Ueda et al.	
	AD*	US-2002/0025138-A1	02-28-2002	Isobe et al.	
	AE*	US-2002/0097665-A1	07-25-2002	Ko et al.	
	AF*	US-2002/0099950-A1	07-25-2002	Smith	
	AH*	US-2002/0136118-A1	09-26-2002	Takahashi	
	AH*	US-2002/0136134-A1	09-26-2002	Ito et al.	
	AI*	US-2002/0136537-A1	09-26-2002	Takahashi	
	AJ*	US-2002/0161774-A1	10-31-2002	Tol et al.	
	AK*	US-2002/0176341-A1	11-28-2002	Ko et al.	
	AL*	US-2003/0072236-A1	04-17-2003	Hirotsune et al.	
	AM*	US-2003/0095482-A1	05-22-2003	Hung et al.	
	AN*	US-2003/0126527-A1	07-03-2003	Kim et al.	
	AO*	US-2003/0135800-A1	07-17-2003	Kim et al.	
	AP*	US-2003/0137909-A1	07-24-2003	Ito et al.	
	AQ*	US-2003/0137910-A1	07-24-2003	Ueda et al.	
	AR*	US-2003/0142608-A1	07-31-2003	Yamamoto et al.	
	AS*	US-2003/0149918-A1	08-07-2003	Takaichi	
	AT*	US-2003/0173669-A1	09-18-2003	Shau	
	AU*	US-2003/0198155-A1	10-23-2003	Go et al.	
	AV*	US-2004/0001408-A1	01-01-2004	Propps et al.	
	AW*	US-2004/0004917-A1	01-08-2004	Lee	
	AX*	US-2004/0062159-A1	04-01-2004	Park et al.	
	AY*	US-2004/0062160-A1	04-01-2004	Park et al.	
	AZ*	US-2004/0076096-A1	04-22-2004	Hwang et al.	
	AA1*	US-2004/0105363-A1	06-03-2004	Ko et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	2	of	9	Attorney Docket Number	0465-1055P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AB1*	US-2004/0114474-A1	06-17-2004	Park et al.	
	AC1*	US-2004/0120233-A1	06-24-2004	Park et al.	
	AD1*	US-2004/0125716-A1	07-01-2004	Ko et al.	
	AE1*	US-2004/0125717-A1	07-01-2004	Ko et al.	
	AF1*	US-2004/0136292-A1	07-15-2004	Park et al.	
	AG1*	US-2004/0145980-A1	07-29-2004	Park et al.	
	AH1*	US-2004/0158768-A1	08-12-2004	Park et al.	
	AI1*	US-2004/0174782-A1	09-09-2004	Lee et al.	
	AJ1*	US-2004/0174785-A1	09-09-2004	Ueda et al.	
	AK1*	US-2004/0179445-A1	09-16-2004	Park et al.	
	AL1*	US-2004/0179458-A1	09-16-2004	Hwang et al.	
	AM1*	US-2004/0223427-A1	11-11-2004	Kim et al.	
	AN1*	US-2004/0246851-A1	12-09-2004	Hwang et al.	
	AO1*	US-2005/0007910-A1	01-13-2005	Ito et al.	
	AP1*	US-2005/0025007-A1	02-03-2005	Park	
	AQ1*	US-2005/0052972-A1	03-10-2005	Park	
	AR1*	US-2005/0052973-A1	03-10-2005	Park	
	AS1*	US-2005/0055500-A1	03-10-2005	Park	
	AT1*	US-2005/0060489-A1	03-17-2005	Park	
	AU1*	US-2005/0068877-A1	03-31-2005	Yeo	
	AV1*	US-2005/0083740-A1	04-21-2005	Kobayashi	
	AW1*	US-2005/0083767-A1	04-21-2005	Terada et al.	
	AX1*	US-2005/0083830-A1	04-21-2005	Martens et al.	
	AZ1*	US-2005/0195716-A1	09-08-2005	Ko et al.	
	AA2*	US-2005/0289389-A1	12-29-2005	Yamagami et al.	
	AB2*	US-2006/0077827-A1	04-13-2006	Takahashi	
	AC2*	US-2006/0195719-A1	08-31-2006	Ueda et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single astensik (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	3	of	9	Attorney Docket Number	0465-1055P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AD2*	US-2006/0227694-A1	10-12-2006	Woerlee et al.	
	AE2*	US-2007/0294571-A1	12-20-2007	Park et al.	
	AF2*	US-2008/0046780-A1	02-21-2008	Shibuya et al.	
	AG2*	US-4,733,386	03-22-1988	Shimoi et al.	
	AH2*	US-4,807,205	02-21-1989	Picard et al.	
	AI2*	US-5,210,734-A	05-11-1993	Sakurai et al.	
	AJ2*	US-5,235,585-A	08-10-1993	Bish et al.	
	AK2*	US-5,237,553-A	08-17-1993	Fukushima et al.	
	AL2*	US-5,247,494-A	09-21-1993	Ohno et al.	
	AM2*	US-5,319,626	06-07-1994	Ozaki et al.	
	AN2*	US-5,404,357-A	04-04-1995	Ito et al.	
	AO2*	US-5,442,611-A	08-15-1995	Hosaka et al.	
	AP2*	US-5,448,728-A	09-05-1995	Takano et al.	
	AQ2*	US-5,475,820-A	12-12-1995	Natrsevschi et al.	
	AR2*	US-5,481,519-A	01-02-1996	Hosoya et al.	
	AS2*	US-5,495,466-A	02-27-1996	Dohmeier et al.	
	AT2*	US-5,528,571-A	06-18-1996	Funahashi et al.	
	AU2*	US-5,553,045-A	09-03-1996	Obata et al.	
	AV2*	US-5,577,194-A	11-19-1996	Wells et al.	
	AW2*	US-5,608,715	03-04-1997	Yokogawa et al.	
	AX2*	US-5,715,221-A	02-03-1998	Ito et al.	
	AY2*	US-5,720,030-A	02-17-1998	Kamihara et al.	
	AZ2*	US-5,740,435-A	04-14-1998	Yamamoto et al.	
	AA3*	US-5,745,444-A	04-28-1998	Ichikawa et al.	
	AB3*	US-5,799,212-A	08-25-1998	Ohmori et al.	
	AC3*	US-5,802,028-A	09-01-1998	Igarashi et al.	
	AD3*	US-5,805,536-A	09-08-1998	Gage et al.	
	AE3*	US-5,848,038-A	12-08-1998	Igarashi et al.	
	AF3*	US-5,867,455-A	02-02-1999	Miyamoto et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/670,381		
		Filing Date	September 26, 2003		
		First Named Inventor	Yong Cheol PARK		
		Art Unit	2627		
		Examiner Name	L. Chow		
Sheet	4	of	9	Attorney Docket Number	0465-1055P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AG3*	US-5,914,928-A	06-22-1999	Takahashi et al.	
	AH3*	US-6,058,085-A	05-02-2000	Obata et al.	
	AI3*	US-6,118,608-A	09-12-2000	Kakihara et al.	
	AJ3*	US-6,138,203-A	10-24-2000	Inokuchi et al.	
	AK3*	US-6,160,778-A	12-12-2000	Ito et al.	
	AL3*	US-6,189,118-B1	02-13-2001	Sasaki et al.	
	AM3*	US-6,233,654-B1	05-15-2001	Aoki et al.	
	AN3*	US-6,292,445-B1	09-18-2001	Ito et al.	
	AO3*	US-6,341,109-B1	01-22-2002	Kayanuma et al.	
	AP3*	US-6,341,278-B1	01-22-2002	Yamamoto et al.	
	AQ3*	US-6,405,332-B1	06-11-2002	Bando et al.	
	AR3*	US-6,447,126-B1	09-10-2002	Hornbeck	
	AS3*	US-6,469,978-B1	10-22-2002	Ohata et al.	
	AT3*	US-6,477,126-B1	11-05-2002	Park et al.	
	AU3*	US-6,480,446-B1	11-12-2002	Ko et al.	
	AV3*	US-6,581,167-B1	06-17-2003	Gotoh et al.	
	AW3*	US-6,606,285-B1	08-12-2003	Ijtsma et al.	
	AX3*	US-6,615,363-B1	09-02-2003	Fukasawa et al.	
	AY3*	US-6,631,106-B1	10-07-2003	Numata et al.	
	AZ3*	US-6,633,724-B1	10-14-2003	Hasegawa et al.	
	AA4*	US-6,667,939-B1	12-23-2003	Miyamoto et al.	
	AB4*	US-6,671,249-B2	12-30-2003	Horie et al.	
	AC4*	US-6,697,306-B2	02-24-2004	Sako et al.	
	AD4*	US-6,724,701-B2	04-20-2004	Ijtsma et al.	
	AE4*	US-6,738,341-B2	05-18-2004	Ohata et al.	
	AF4*	US-6,754,860-B2	06-22-2004	Kim et al.	
	AG4*	US-6,760,288-B2	07-06-2004	Ijtsma et al.	
	AH4*	US-6,763,429-B1	07-13-2004	Hirayama et al.	
	AI4*	US-6,766,418-B1	07-20-2004	Alexander et al.	
	AJ4*	US-6,795,389-B1	09-21-2004	Nishiuchi et al.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	5	of	9	Attorney Docket Number	0465-1055P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AK4*	US-6,804,797-B2	10-12-2004	Ko et al.	
	AL4*	US-6,826,140-B2	11-30-2004	Brommer et al.	
	AM4*	US-6,842,580-B1	01-11-2005	Ueda et al.	
	AN4*	US-6,845,069-B2	01-18-2005	Nakahara et al.	
	AO4*	US-6,883,111-B2	04-19-2005	Yoshida et al.	
	AP4*	US-6,918,003-B2	07-12-2005	Sasaki et al.	
	AQ4*	US-6,934,236-B2	08-23-2005	Lee et al.	
	AR4*	US-6,999,398-B2	02-14-2006	Yamamoto et al.	
	AS4*	US-7,027,059-B2	04-11-2006	Hux et al.	
	AT4*	US-7,027,373-B2	04-11-2006	Ueda et al.	
	AU4*	US-7,042,825-B2	05-09-2006	Yamamoto et al.	
	AV4*	US-7,050,701-B1	05-23-2006	Sasaki et al.	
	AW4*	US-7,092,334-B2	08-15-2006	Choi et al.	
	AX4*	US-7,149,930-B2	12-12-2006	Ogawa et al.	
	AY4*	US-7,184,377-B2	02-27-2007	Ito et al.	
	AZ4*	US-7,188,271-B2	03-06-2007	Park et al.	
	AA5*	US-7,233,550-B2	06-19-2007	Park et al.	
	AB5*	US-7,272,086-B2	09-18-2007	Hwang et al.	
	AC5*	US-7,289,404-B2	10-30-2007	Park et al.	
	AD5*	US-7,296,178-B2	11-13-2007	Yoshida et al.	
	AE5*	US-7,327,654-B2	02-05-2008	Hwang et al.	
	AF5*	US-5,940,702-A	08-17-1999	Sakao et al.	
	AG5*	US-6,785,206-B1	08-31-2004	Lee et al.	
	AH5*	US-7,379,402-B2	05-27-2008	Ko et al.	
	AI5*	US-7,349,301-B2	03-25-2008	Terada et al.	
	AJ5*	US-6,542,450-B1	04-01-2003	Park et al.	
	AK5*	US-6,496,807-B1	12-17-2002	Inokuchi et al.	
	AL5*	US-2004/193946	09-30-2004	Park et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	6	of	9	Attorney Docket Number	0465-1055P

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	CN-1134017-A	10-23-1996	Sony Corp		ABS
	BB	CN-1140897-C	01-22-1997	Nippon Electric Co		ABS
	BC	CN-1227950-A	09-08-1999	LG Electronics Inc		ABS
	BD	CN-1273419-A	11-15-2000	Samsung Electronics Co Ltd		ABS
	BE	CN-1675708-A	09-28-2005	Samsung Electronics Co Ltd		ABS
	BF	CN-1685426-A	10-19-2005	Sony Corp		ABS
	BG	DE-199 54 054-A1	06-21-2000	LG Electronics Inc		ABS
	BH	EP-0314186-A2	05-03-1989	Matsushita Electric Ind Co Ltd		
	BI	EP-0325823-A1	08-02-1989	Laserdrive Ltd		
	BJ	EP-0350920-A2	01-17-1990	Matsushita Electric Ind Co Ltd		
	BK	EP-0464811-A2	01-08-1992	Matsushita Electric Ind Co Ltd		
	BL	EP-0472484-A2	02-26-1992	Ibm		
	BM	EP-0477503-A2	04-01-1992	Fuji Photo Film Co Ltd		
	BN	EP-0871172-A2	10-14-1998	Sony Corp		
	BO	EP-0974967-A1	01-26-2000	Fujitsu Ltd et al.		
	BP	EP-0989554-A1	03-29-2000	Sony Corp		
	BQ	EP-1026681-B1	08-09-2000	Matsushita Electric Ind Co Ltd		
	BR	EP-1043723-A1	10-11-2000	Matsushita Electric Ind Co Ltd		
	BS	EP-1152414-A2	11-07-2001	Matsushita Electric Ind Co Ltd		
	BT	EP-1239478-A1	09-11-2002	Matsushita Electric Ind Co Ltd		
	BU	EP-1274081-A2	01-08-2003	Nippon Electric Co		
	BV	EP-1298659-A1	04-02-2003	Samsung Electronics Co Ltd		
	BW	EP-1329888-A1	07-23-2003	Matsushita Electric Ind Co Ltd		
	BX	EP-1347452-A2	09-24-2003	Matsushita Electric Ind Co Ltd		
	BY	EP-1547065-A0	06-25-2005	LG Electronics Inc		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/670,381		
		Filing Date	September 26, 2003		
		First Named Inventor	Yong Cheol PARK		
		Art Unit	2627		
		Examiner Name	L. Chow		
Sheet	7	of	9	Attorney Docket Number	0465-1055P

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>5</sup> (if known)				
	BZ	EP-1564740-A1	08-17-2005	Sony Corp		
	BA1	EP-1573723-A0	09-14-2005	LG Electronics Inc		
	BB1	EP-1623422-A0	02-08-2006	LG Electronics Inc		
	BC1	GB-2356735-A	05-30-2001	Mitsubishi Electric Corp		
	BD1	JP-10-050005-A	02-20-1998	Nec Gumma Ltd		ABS
	BE1	JP-10-050032-A	02-20-1998	Sony Corp		ABS
	BF1	JP-10-187356	07-14-1998	Tokyo Shibaura Electric Co		ABS
	BG1	JP-10-187357	07-14-1998	Nippon Electric Eng		ABS
	BH1	JP-10-187358	07-14-1998	Hitachi Ltd		ABS
	BI1	JP-10-187359	07-14-1998	Tokyo Shibaura Electric Co		ABS
	BJ1	JP-10-187360	07-14-1998	Tec Corp		ABS
	BK1	JP-10-187361-A1	07-14-1998	Hitachi Koki Kk		ABS
	BL1	JP-11-110888-A	04-23-1999	Nippon Kogaku Kk		ABS
	BM1	JP-11-203792-A	07-30-1999	NEC Corp		ABS
	BN1	JP-01-263955-A	10-20-1989	Matsushita Electric Ind Co Ltd		ABS
	BO1	JP-2000-090588-A	03-31-2000	LG Electronics Inc		ABS
	BP1	JP-2000-149449-A	05-30-2000	LG Electronics Inc		ABS
	BQ1	JP-2000-195178-A	07-14-2000	Matsushita Electric Ind Co Ltd		ABS
	BR1	JP-2000-215612	08-04-2000	LG Electronics Inc		ABS
	BS1	JP-2000-285607-A	10-13-2000	Tokyo Shibaura Electric Co		ABS
	BT1	JP-2001-023317-A	01-26-2001	Nippon Electric Co		ABS
	BU1	JP-2001-069440-A	03-16-2001	Sanyo Electric Co		ABS
	BV1	JP-2001-110168-A	04-20-2001	Ricoh Kk		ABS
	BW1	JP-2001-351334-A	12-21-2001	Sony Corp		ABS
	BX1	JP-2001-357623-A	12-26-2001	Victor Company Of Japan		ABS
	BY1	JP-2002-015507-A	01-18-2002	Sony Corp		ABS
	BZ1	JP-2002-015525-A	01-18-2002	Fujitsu Ltd et al.		ABS
	BA2	JP-2002-056619-A	02-22-2002	Sony Corp		ABS
	BB2	JP-2002-215612-A	08-02-2002	Seiko Epson Corp		ABS
	BC2	JP-2002-245723-A	08-30-2002	Matsushita Electric Ind Co Ltd		ABS
	BD2	JP-2002-288938-A	10-04-2002	Tokyo Shibaura Electric Co		ABS
	BE2	JP-2002-329321-A	11-15-2002	Sony Corp		ABS
	BF2	JP-2002-352522-A	12-06-2002	Matsushita Electric Ind Co Ltd		ABS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	8	of	9	Attorney Docket Number	0465-1055P

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BK2	JP-2003-536194-A	12-02-2003			ABS
	BL2	JP-2004-280864-A	10-07-2004	Sony Corp		ABS
	BM2	JP-2004-280865-A	10-07-2004	Sony Corp		ABS
	BO2	JP-2005-538490-A	12-15-2005			ABS
	BP2	JP-2005-538491-A	12-15-2005			ABS
	BQ2	JP-2006-519445-A	08-24-2006			ABS
	BR2	JP-05-274814-A	10-22-1993			ABS
	BS2	JP-63-091842-A	04-22-1988	Matsushita Electric Ind Co Ltd		ABS
	BT2	JP-06-349201-A	12-22-1994	Matsushita Electric Ind Co Ltd		ABS
	BU2	JP-08-096522-A	04-12-1996	Sony Corp		ABS
	BV2	JP-09-145634-A	06-06-1997	Sony Corp		ABS
	BW2	JP-09-231053-A	09-05-1997	Nec Software Ltd		ABS
	BX2	KR-1020040094301-A	11-09-2004			ABS
	BY2	WO-2004/015708-A1	02-19-2004	Samsung Electronics Co Ltd		
	BZ2	WO-2004/081926-A1	09-23-2004	Samsung Electronics Co Ltd		
	BA3	TW-371752	10-11-1999			ABS
	BB3	TW-413805	12-01-2000			ABS
	BC3	WO-00/54274-A1	09-14-2000	Matsushita Electric Ind Co Ltd		
	BD3	WO-01/22416-A1	03-29-2001	Koninkl Philips Electronics Nv		
	BE3	WO-01/93035-A2	12-06-2001	Dataplay Inc		
	BF3	WO-03/007296-A1	01-23-2003	Ciba Sc Holding Ag et al.		
	BG3	WO-03/025924-A1	03-27-2003	Tdk Corp et al.		
	BH3	WO-03/079353-A1	09-25-2003	Matsushita Electric Ind Co Ltd		
	BI3	WO-2004/015707-A1	02-19-2004	Samsung Electronics Co Ltd et al.		
	BJ3	WO-2004/075180-A1	09-02-2004	LG Electronics Inc.		
	BK3	WO-2004/029668-A2	04-08-2004	LG Electronics Inc		
	BL3	WO-2004/029941-A1	04-08-2004	LG Electronics Inc		
	BM3	WO-2004/034396-A1	04-22-2004	Samsung Electronics Co Ltd		
	BN3	WO-2004/036561-A1	04-29-2004	Samsung Electronics Co Ltd		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/670,381
				Filing Date	September 26, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	L. Chow
Sheet	9	of	9	Attorney Docket Number	0465-1055P

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BO3	WO-2004/053872-A1	06-24-2004	LG Electronics Inc		
	BP3	WO-2004/053874-A1	06-24-2004	LG Electronics Inc		
	BQ3	WO-2004/068476-A1	08-12-2004	LG Electronics Inc		
	BR3	WO-2004/079740-A1	09-16-2004	LG Electronics Inc		
	BS3	WO-2004/093035-A1	10-28-2004	Ds Enterprise Inc et al.		
	BT3	WO-2004/100155-A1	11-18-2004	LG Electronics Inc et al.		
	BU3	WO-2004/100156-A1	11-18-2004	LG Electronics Inc et al.		
	BV3	WO-2005/004123-A1	01-13-2005	LG Electronics Inc et al.		
	BW3	WO-84/00628-A1	02-16-1984	Western Electric Co		
	BX3	WO-96/30902-A1	10-03-1996	Ibm et al.		
	BY3	WO-97/22182-A1	06-19-1997	Matsushita Electric Ind Co Ltd et al.		
	BZ3	RU-2005 103 626	09-10-2005			ABS
	BA4	RU-2005 127 337	02-10-2006			
	BB4	WO-2004/025648	03-25-2004	Samsung Electronics Co Ltd		
	BC4	WO-2004/025649	03-25-2004	Samsung Electronics Co Ltd		
	BD4	WO-2004/079631	09-16-2004	Konin-Klijke Philips Electronics N.V.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	JIS handbook data processing for hardware, Japan, Japanese Standards Association Inc., April 21, 1999, Pages 1064-1070	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.